

Height	Width	Depth
130mm	85mm	145mm

THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE

IMPORTANT SAFETY ADVICE

- The installation of this product should be carried out by a competent person or electrician in strict accordance of the current IEE Wiring Regulations
- The DX4130 is designed to be used in conjunction with Dimplex heaters up to 3kW electrical loading.
- Only to be used on a 220-240Volt A.C. ~ electricity supply
- Electricity supply must be isolated before commencement of installation
- Always isolate the detector switch and the heater from the electricity supply before undertaking any maintenance work
- Must **not** be installed and used in the vicinity of a bathroom or swimming pool

General

The Dimplex passive infra –red detector switch has been designed to enable Dimplex Quartz and ceramic heaters (or any other heater up to 3kW) It automatically switches the heater on and off, depending on whether the area below the heater is occupied.

Features

- Time delay adjustment
- Full 180° coverage over 15m if required
- Size of detection area can be reduced
- Approved to VDE 0632 and IEC 669-2-1
- Separate wall-box and plug in detector lead to simplify installation
- IP54 rated

Contents

- X 1 Instruction sheet
- X 1 grey wall box with fixed terminal block
- X 1 PIR switch with pre-wired plug in connection
- X 2 screws to affix PIR switch to wall box
- X 3 screw caps
- X 1 lens mask

Installation

(Please also refer to the **IMPORTANT SAFETY ADVICE**)

Before undertaking installation work, ensure the electricity supply is disconnected from any relevant fixed wiring.

Supply cable is not provided with this product, and it should therefore be installed by a competent person or electrician

This PIR detector must be used on an A.C. ~ supply only

Dimplex Quartz and ceramic heaters operate by emitting radiant heat within a specific area or zone.

The beam of radiant heat will interfere with the correct performance of the PIR detector unless the PIR detector is mounted outside the 'throw' of radiant heat. It is therefore essential that the PIR detector is mounted as outlined below:

1. For installation of Quartz and ceramic heaters, please refer to the relevant installation instructions.
2. The PIR should be positioned to cover the desired sensing area without obstruction, avoiding the direct 'throw' of the heater.
3. The PIR should be wired directly back to a type C MCB or 13 amp re-wireable fuse. The cable should not exceed 2.5mm².
4. Remove screws and disconnect the plug connecting the detector to the key box. When removing the detector head, the latch on plug should be released as indicated. (see Fig.1.)

Detector Head Plug

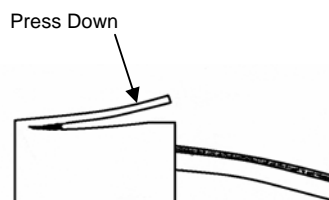
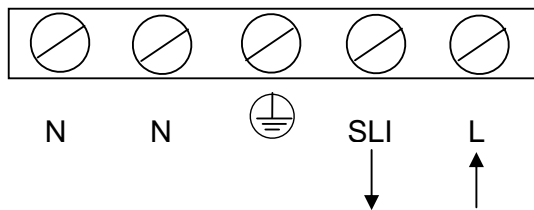


Fig.1.

Installation continued

5. Insert top screw into the wall, allowing it to protrude by approximately 3mm.
6. Hook wall box on to screw using keyhole slot provided.
7. Mark position of remaining fixings, remove box and complete fixing.
8. Fix the wall box to the wall, ensuring the drain hole is at the bottom.
9. Cable entries are made to the base of the box, using the holes provided.
10. Connect circuit wiring to terminal block. (see Fig.2.)



N = Neutral to load

N = Supply Neutral

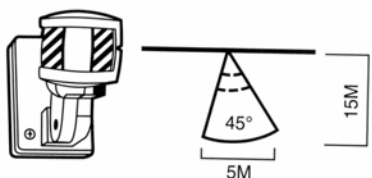
 = Earth terminal

SLI = Supply to load

L = Supply live

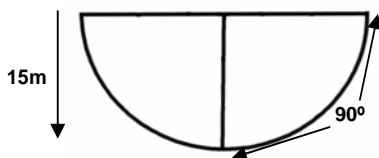
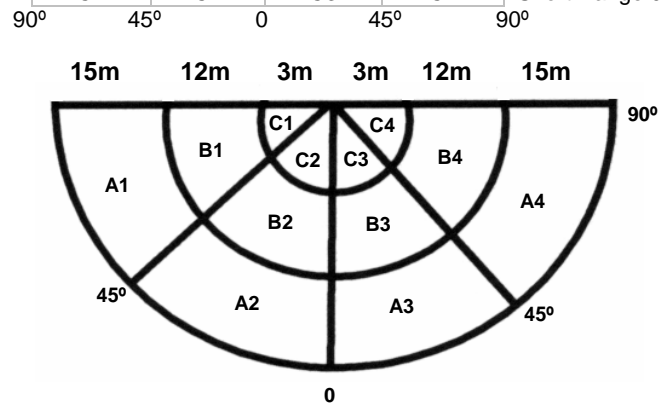
11. Plug detector head into the back box socket.
Secure detector to wall box with screws provided and cover screws with screw caps.

Adjusting PIR Range

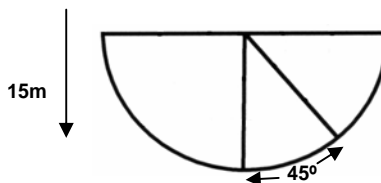


Limit the range and angle of detection as appropriate by adjusting the detector head and by using the lens masking plates provided. Cut the appropriate segments from the lens mask to cover the area of the lens that requires masking.

A1	A2	A3	A4	Long Range 6-15 metres	
B1	B2	B3	B4		Inner Range 3-12 metres
C1	C2	C3	C4		Short Range 0-3 metres





Masked Areas	
AC	A4
B3	B4
C3	C4



Masked Areas		
A1	A2	A4
B1	B2	B4
C1	C2	C4

Testing

1. Set the light level  to maximum (clockwise), and the time on  to minimum (anti-clockwise).
2. Move in and out of detection pattern checking the PIR detector switches load on and then off. Once the detection area has been set satisfactorily, adjust the time (blue knob) to the desired level. For your convenience optimum settings have been indicated.
3. If the unit does not operate, refer to the check list and fault finding list.

Check List

1. Check the supply to the detector
2. If the unit is being tested during daylight, ensure that the photocell has been adjusted in accordance with point 1 in the 'Testing' section.
3. Check detector is connected to the heater correctly

Fault Finding List

Problem	Solution
The unit will not switch on	<ul style="list-style-type: none"> • Check power is supplied to the unit • Check the plug in connection from the detector head is inserted in to the wall box correctly • Check to see that the lamps are fitted correctly to the heater(s)
Unit is detecting at too long a range	<ul style="list-style-type: none"> • Check mounting height and adjust angle of the unit downwards to reduce range (note the unit is designed to switch at a maximum of 15 metres with 170lb (77kg) person walking at 90° to the unit. Alternatively fit an appropriate mask. <p>IMPORTANT: at 10°C this unit may detect in excess of 20 metres.</p>
Unit switches on for no apparent reason	<ul style="list-style-type: none"> • Check the unit is not sited near any vents or heating flues • Infra-red patterns are given off by electrical appliances <p>NOTE: to reduce sensitivity, blank off areas C1, C2, C3, C4 of the lens mask</p>
Unit will not switch off	<ul style="list-style-type: none"> • Are you standing by the detection zone? Whilst you are moving in and out of the detection area the unit will continue to detect. The heater on time is from the last moment detection was made.

Technical Specification

Switching capability – Up to 3kW
 Operating Power – 3kW
 Detection Range – 15 metres maximum
 Detection Angle - 180°
 Heater on time – Adjustable to 10 seconds, 60 seconds, 3.5 minutes, 6 minutes, 9 minutes, 12 minutes, 13.5 minutes, 16 minutes, 21 minutes (approximately)

**IMPORTANT: When unit is first connected to the mains the light will switch on – even in daylight.
 Allow unit to reset before testing**

After Sales Care

Your product is guaranteed for one year from the date of purchase.

Within this period, we undertake to repair or exchange this product free of charge (subject to availability) provided it has been installed and operated in accordance with these instructions.

Your rights under this guarantee are additional to your statutory rights, which in turn are not affected by this guarantee.

Should you require after sales service you should contact the supplier through whom you purchased the product or contact our customer service help desk on 0845 600 5111. It would assist us if you can quote the model number, series, date of purchase, and nature of the fault at the time of your call. The customer service help desk will also be able to advise you should you need to purchase any spares.

Please do not return a faulty product to us in the first instance as this may result in loss or damage and delay in providing you with a satisfactory service.

Please retain your receipt as proof of purchase

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